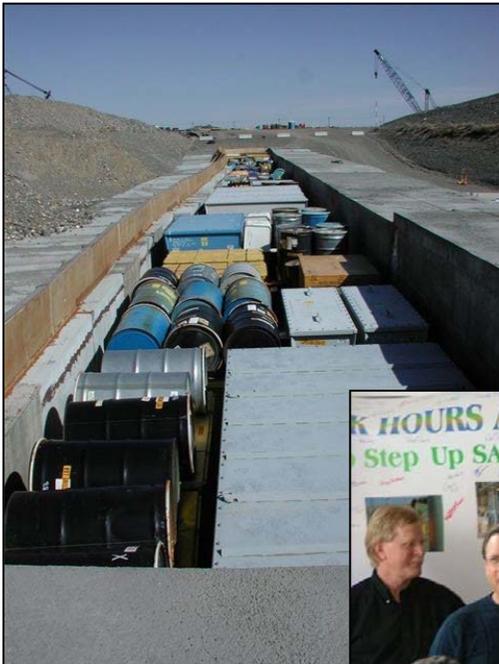


# Solid Waste Stabilization and Disposition (RL-0013)/Soil and Water Remediation, Groundwater and Vadose Zone (RL-0030)/Operate Waste Disposal Facility (RL-0080)

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*Accelerated Category 3  
Low Level Waste  
Stabilization*



*Replacement of Liquid  
Effluent Retention  
Facility (LERF) Basin  
44 pump*



*Working Safely*

## Overview

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*; RL-0030, *Soil and Waste Remediation Groundwater/Vadose Zone*; and RL-0080, *Operate Waste Disposal Facility*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of March 2004.

## Notable Accomplishments

**Transuranic (TRU) Waste Program:** Four shipments to the Waste Isolation Pilot Plant (WIPP) totaling 21 cubic meters (m<sup>3</sup>) were completed in March. A total of 373 m<sup>3</sup> have been shipped since FY 2003, versus 178 m<sup>3</sup> planned.

**TRU Waste Retrieval:** A total of 139 m<sup>3</sup> of suspect TRU waste was retrieved in March. For FY 2004, a total of 230 m<sup>3</sup> has been retrieved, versus 84 m<sup>3</sup> planned.

**Mixed Low Level Waste (MLLW) Treatment:** FH dispositioned 269 m<sup>3</sup> of MLLW in March. Since FY 2003, a total of 3,061 m<sup>3</sup> has been dispositioned, versus 2,480 m<sup>3</sup> planned. Of this volume, 1,897 m<sup>3</sup> is from disposal of 183-H Basin waste at the Environmental Restoration Disposal Facility (ERDF). The first four shipments of 183-H Basin waste requiring treatment have been treated and disposed of at ERDF. This demonstrates treatment capability for completing the disposition of the remaining 183-H Basin waste being stored at the Central Waste Complex.

**Liquid Waste Processing:** The 200 Area Effluent Treatment Facility (ETF) processed and disposed of 1.3 million gallons. The 300 Area Treated Effluent Disposal Facility processed and disposed of 3.2 million gallons of industrial waste water. FH completed replacement of the 200 ETF Liquid Effluent Retention Facility Basin 44 pump in March.

**Groundwater Well Decommissioning:** FH finished casing perforation of 73 wells and pressure grouting of 70 wells being decommissioned. FH completed surface cleanup to complete decommissioning of 42 wells. Through March, 108 wells have been decommissioned as scheduled.

## FY 2004 FH Funds versus Forecast (\$000)

|   | FY 2004 Anticipated Funding w/Carryover | FY 2004 Fiscal Year Spend Forecast | Variance          |
|---|---|------------------------------------|-------------------|
| RL-0013 Solid Waste Stabilization & Disposition           | \$ 136,604                              | \$ 138,004                         | \$ (1,400)        |
| RL-0030 Soil & Water Remediation, Groundwater/Vadose Zone | \$ 35,895                               | \$ 36,541                          | \$ (646)          |
| RL-0080 Operate Waste Disposal Facility                   | \$ 3,920                                | \$ 2,899                           | \$ 1,021          |
| <b>Total</b>  | <b>\$ 176,419</b>                       | <b>\$ 177,444</b>                  | <b>\$ (1,025)</b> |

The Waste Disposal/Groundwater Remediation Project will utilize the projected under run within the 2035 Accelerated Completion Control Point to offset the forecasted over run above.

## FY04 Schedule/Cost Performance (\$000)

|   | Budgeted Cost of Work Scheduled | Budgeted Cost of Work Performed | Actual Cost of Work Performed | Schedule Variance \$ | Schedule Variance % | Cost Variance \$ | Cost Variance % | Budget At Completion |
|---|---------------------------------|---------------------------------|-------------------------------|----------------------|---------------------|------------------|-----------------|----------------------|
| RL-0013 Solid Waste Stabilization & Disposition           | 65,201                          | 63,915                          | 62,883                        | -1,286               | -2%                 | 1,032            | 2%              | 145,862              |
| RL-0030 Soil & Water Remediation, Groundwater/Vadose Zone | 15,772                          | 15,632                          | 15,294                        | -140                 | -1%                 | 338              | 2%              | 36,142               |
| RL-0080 Operate Waste Disposal Facility                   | 1,336                           | 1,342                           | 1,167                         | 6                    | 0%                  | 175              | 13%             | 3,257                |
| <b>Total</b>  | <b>82,309</b>                   | <b>80,889</b>                   | <b>79,344</b>                 | <b>-1,420</b>        | <b>-2%</b>          | <b>1,544</b>     | <b>2%</b>       | <b>185,260</b>       |

NOTE: The above excludes Central Waste Complex Pool and Work for Others associated with these PBSs. Work for Others is reported in Section H. Numbers are rounded to the nearest \$K and include the closure services allocation.

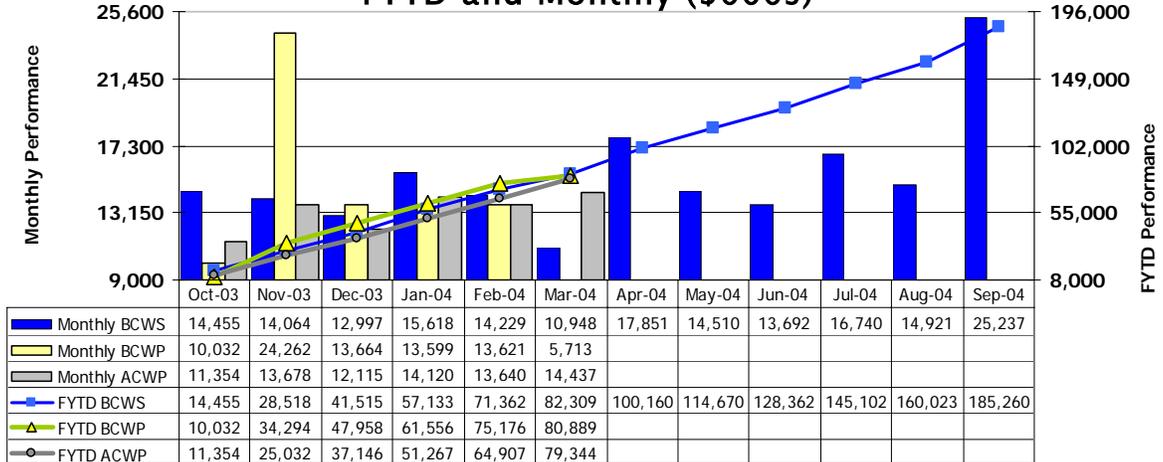
**Schedule Performance:** The PBS RL-0013 unfavorable schedule variance of -\$1,286K/-2% is primarily from K Basin sludge at T Plant being put on hold (-\$6.7M) and several Waste Disposal/Groundwater Remediation projects being deferred or cancelled to accommodate FY 2004 funding reductions (-\$4.1M). The unfavorable variance is offset by WIPP shipments being well ahead of plan due to acceleration initiatives started last spring (\$10.9M).

**Cost Performance:** The PBS RL-0013 favorable cost variance of \$1,032/2% is primarily because the Waste Receiving and Packaging Facility has been operating at the high end of the planned production range, and FY 2003 performance for WIPP shipments was recognized in FY 2004 (\$11.0M). Also MLLW treatment includes 183-H disposal at ERDF and the off-site treatment vendor's wastes at lower unit costs through March (\$1.7M). These are offset by:

- The continuation of T Plant readiness to receive K Basin sludge until alternatives are finalized (-\$7.2M); and
- TRU Retrieval is proceeding under M-91 Administrative Order scope and production (-\$3.3M).

## FY 2004 Schedule/Cost Performance , continued

### Performance Analysis FYTD and Monthly (\$000s)



## Milestone Achievement

| Number   | Milestone Title  | Type | Due Date   | Forecast Date | Status/Comment   |
|----------|--|------|------------|---------------|--|
| M-24-000 | Install RCRA Groundwater Monitor Wells at Rate of up to 50 in CY 2003, if required | TPA  | 12/31/2003 | -             | Complete 12/30/03                                      |
| M-91-03A | Submit Revisions to the Hanford Site TRU/TRUM and MLLW PMP to Ecology              | TPA  | 12/31/2003 | -             | Complete 12/31/03                                      |
| M-91-22  | T Plant is Ready to Receive Canister and Fuel Wash Sludge from K Basins            | TPA  | 2/29/2004  | -             | To be deleted as part of the M-91 Settlement Agreement |
| M-26-07A | Submit Evaluation of Status of Development of Tritium Treatment Technology         | TPA  | 3/31/2004  | -             | Complete 3/12/04                                       |